

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph 0051 of the specification as follows:

[0051] A preferred embodiment may apply immersive three-dimensional multimedia virtual-reality stimulus delivery techniques **18**, expert-based digital signal processing algorithms, and adaptive neural network (ANN) digital signal classification and recognition techniques to process multimodal psychometric signals and improve the accuracy of the present invention over traditional PDD methods. Preferably, the signal processing algorithms may examine the power of the signals received from the wearable sensor unit **10** in the frequency domain. Frequencies of interest may be chosen based on the deception technique to be detected and the placement of the sensor. Preferably, the frequency domain of interest is between 1 and 40 Hz. The PC **16** or an electrically or wirelessly connected processing unit may perform spatial-frequency analysis by analyzing the selected frequencies and the interaction among signals from different sensors. Spatial-frequency analysis may be used to determine measures of, for example, executive load, arousal, engagement, attention and stress. PC **16** in FIG. 1 may graphically represent one or more PCs and/or one or more computing units.